E I N L A D U N G

Hiermit lade ich ein zum öffentlichen Promotionskolloquium von

Frau M.Sc. Aicha Goubaa
Automatisierungs- und Ernergiesysteme
(Prof. Dr.-Ing. Georg Frey)

am

Mittwoch, 14. Dezember 2022, 17:00 Uhr
per Videokonferenz
Link für MS Teams: https://bit.ly/3Thj0IP

Thema der Dissertation:

Software Parametrization of Feasible Reconfigurable Real-time Systems under Energy and Dependency Constraints

Enforcing temporal constraints is necessary to maintain the correctness of a real-time system. Such system faces various challenges, particularly in terms of architecture, reconfiguration property, energy consumption, and dependency constraints, that may affect temporal correctness. Unfortunately, the characterization of real-time task deadlines is a relatively unexplored problem in the real-time community. In this context, this thesis deals with reconfigurable real-time systems in mono-core and multicore architectures. The main aim of this thesis is to determine the effective temporal properties that will certainly be met at runtime under well-defined constraints.

Saarbrücken, 1. Dezember 2022

Prof. Dr. Christian Motz